

1 Attorney Docket No. 83084

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ADJUSTABLE FLEXURE LOADING

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APPARATUS FOR TESTING LONG SPAN BEAMS

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ABSTRACT OF THE DISCLOSURE

7 An adjustable loading apparatus for supporting a long
8 span beam in a flexure test by a load application device is
9 disclosed. The apparatus includes an upper support structure
10 including an elongated support beam, at least one support
11 bracket adjustably mountable along a longitudinal span
12 thereof, and a saddle member selectively pivotally mounted in
13 the at least one upper support bracket for engaging with a
14 specimen under test. The upper support structure is
15 positioned normal to the load application device and a lower
16 support structure is positioned parallel and co-planar to the
17 upper support structure. The lower support structure includes
18 an elongated support beam, at least one spacing member
19 adjustably mounted along a longitudinal span thereof, a lower
20 support bracket adjustably mounted along a longitudinal span
21 of the spacing member, and a saddle member selectively
22 pivotally mounted in the lower support bracket for engaging
23 with a specimen under test.